

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	9	("5281346" "5284532" "5540788" "6172013" "6242394" "6419769").PN. ("2842112" "6136268").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/22 11:17
S2	4	JP with ("62190297" "07166366")	JPO; DERWENT	OR	ON	2007/03/22 11:20
S3	6	dwight near2 smith and lubricant	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 11:22
S4	2	ENVIROFUELS.as. and lubricant	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 11:28
S5	112390	lubrica\$4 and ((phosphate phosphorous) potassium adj (phosphate diphosphate dihydrogen adj phosphate monohydrogen adj phosphate) ("KH.sub.2PO.sub.4" "KH.sub.2" adj "PO.sub.4" "K.sub.2HPO.sub.4" "K.sub.2" adj "HPO.sub.4"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 11:31
S6	9861	lubrica\$4 and (potassium adj (phosphate diphosphate dihydrogen adj phosphate monohydrogen adj phosphate) ("KH.sub.2PO.sub.4" "KH.sub.2" adj "PO.sub.4" "K.sub.2HPO.sub.4" "K.sub.2" adj "HPO.sub.4"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 11:32
S9	1	lubrica\$4.ab. and (potassium adj (phosphate diphosphate dihydrogen adj phosphate monohydrogen adj phosphate) and ("KH.sub.2PO.sub.4" "KH.sub.2" adj "PO.sub.4" "K.sub.2HPO.sub.4" "K.sub.2" adj "HPO.sub.4") KH2PO4 K2HPO4) and (("NH.sub.4") near3 "HPO.sub.4")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 11:37
S8	1	lubrica\$4.ab. and (potassium adj (phosphate diphosphate dihydrogen adj phosphate monohydrogen adj phosphate) and ("KH.sub.2PO.sub.4" "KH.sub.2" adj "PO.sub.4" "K.sub.2HPO.sub.4" "K.sub.2" adj "HPO.sub.4")) and (("NH.sub.4") near3 "HPO.sub.4")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 11:37

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S10	1	lubrica\$4.ab. and (potassium adj (phosphate diphosphate dihydrogen adj phosphate monohydrogen adj phosphate) ("KH.sub.2PO.sub.4" "KH.sub.2" adj "PO.sub.4" "K.sub.2HPO.sub.4" "K.sub.2" adj "HPO.sub.4" KH2PO4 K2HPO4)) and (("NH.sub.4") near3 "HPO.sub.4"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 11:38
S12	33	S11 and acetate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 11:49
S13	21	S11 and acetate same (phosphorus phosphorous phosphate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 11:50
S7	143	lubrica\$4.ab. and (potassium adj (phosphate diphosphate dihydrogen adj phosphate monohydrogen adj phosphate) ("KH.sub.2PO.sub.4" "KH.sub.2" adj "PO.sub.4" "K.sub.2HPO.sub.4" "K.sub.2" adj "HPO.sub.4"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 11:50
S14	35	S7 and ("148" "508").clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 11:51
S16	1	10/768613	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 11:59
S15	13	S7 and ("148" "508").clas. and ("C.sub.2H.sub.3O.sub.2" "C.sub.2" adj "H.sub.3" adj "O.sub.2" C2H3O2 acetate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 11:59
S11	47	lubrica\$4 and (potassium adj (phosphate diphosphate dihydrogen adj phosphate monohydrogen adj phosphate) ("KH.sub.2PO.sub.4" "KH.sub.2" adj "PO.sub.4" "K.sub.2HPO.sub.4" "K.sub.2" adj "HPO.sub.4" KH2PO4 K2HPO4)) and (("NH.sub.4") near3 "HPO.sub.4"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 12:01

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S18	0	S16 and (potassium adj (phosphate diphosphate dihydrogen adj phosphate monohydrogen adj phosphate) ("KH.sub.2PO.sub.4" "KH.sub.2" adj "PO.sub.4" "K.sub.2HPO.sub.4" "K.sub.2" adj "HPO.sub.4" KH2PO4 K2HPO4)) and (("NH.sub.4") near3 "HPO.sub.4"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 12:09
S17	3	lubrica\$4.clm. and (potassium adj (phosphate diphosphate dihydrogen adj phosphate monohydrogen adj phosphate) ("KH.sub.2PO.sub.4" "KH.sub.2" adj "PO.sub.4" "K.sub.2HPO.sub.4" "K.sub.2" adj "HPO.sub.4" KH2PO4 K2HPO4)) and (("NH.sub.4") near3 "HPO.sub.4"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 12:11
S21	47	S19 and ("148" "508").clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 12:13
S20	5	lubrica\$4.clm. and (potassium adj (phosphate diphosphate dihydrogen adj phosphate monohydrogen adj phosphate) ("KH.sub.2PO.sub.4" "KH.sub.2" adj "PO.sub.4" "K.sub.2HPO.sub.4" "K.sub.2" adj "HPO.sub.4" KH2PO4 K2HPO4)) and (("NH.sub.4") near3 "HPO.sub.4" "[NH.sub.4].sub.2HPO.sub.4"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 12:14
S22	1	lubrica\$4.clm. and (potassium adj (phosphate diphosphate dihydrogen adj phosphate monohydrogen adj phosphate) ("KH.sub.2PO.sub.4" "KH.sub.2" adj "PO.sub.4" "K.sub.2HPO.sub.4" "K.sub.2" adj "HPO.sub.4" KH2PO4 K2HPO4)) and (("NH.sub.4") near3 "HPO.sub.4" "[NH.sub.4].sub.2HPO.sub.4") and ("NH.sub.4" near3 ("C.sub.2H.sub.3O.sub.2" "C.sub.2" adj "H.sub.3" adj "O.sub.2" C2H3O2) "[NH.sub.4]C.sub.2H.sub.3O.sub.2" )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 12:16

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S23	1	lubrica\$4 and (potassium adj (phosphate diphosphate dihydrogen adj phosphate monohydrogen adj phosphate) ("KH.sub.2PO.sub.4" "KH.sub.2" adj "PO.sub.4" "K.sub.2HPO.sub.4" "K.sub.2" adj "HPO.sub.4" KH2PO4 K2HPO4)) and (("NH.sub.4") near3 "HPO.sub.4" "[NH.sub.4].sub.2HPO.sub.4") and ("NH.sub.4" near3 ("C.sub.2H.sub.3O.sub.2" "C.sub.2" adj "H.sub.3" adj "O.sub.2" C2H3O2) "[NH.sub.4]C.sub.2H.sub.3O.sub.2" )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 12:17
S25	197	lubrica\$4.clm. and (potassium adj (diphosphate dihydrogen adj phosphate monohydrogen adj phosphate) ("KH.sub.2PO.sub.4" "KH.sub.2" adj "PO.sub.4" "K.sub.2HPO.sub.4" "K.sub.2" adj "HPO.sub.4" KH2PO4 K2HPO4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 12:19
S19	416	lubrica\$4.clm. and (potassium adj (phosphate diphosphate dihydrogen adj phosphate monohydrogen adj phosphate) ("KH.sub.2PO.sub.4" "KH.sub.2" adj "PO.sub.4" "K.sub.2HPO.sub.4" "K.sub.2" adj "HPO.sub.4" KH2PO4 K2HPO4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 12:19
S24	7	lubrica\$4 and (potassium adj (phosphate diphosphate dihydrogen adj phosphate monohydrogen adj phosphate) ("KH.sub.2PO.sub.4" "KH.sub.2" adj "PO.sub.4" "K.sub.2HPO.sub.4" "K.sub.2" adj "HPO.sub.4" KH2PO4 K2HPO4)) and (("NH.sub.4") near3 "HPO.sub.4" "[NH.sub.4].sub.2HPO.sub.4") and ("NH.sub.4" near3 ("C.sub.2H.sub.3O.sub.2" "C.sub.2" adj "H.sub.3" adj "O.sub.2" C2H3O2) "[NH.sub.4]C.sub.2H.sub.3O.sub.2" ammonium near2 acetate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 12:23
S27	1	lubrica\$4 and (monobasic dibasic) near2 potassium near2 phosphate and (("NH.sub.4") near3 "HPO.sub.4" "[NH.sub.4].sub.2HPO.sub.4") and ("NH.sub.4" near3 ("C.sub.2H.sub.3O.sub.2" "C.sub.2" adj "H.sub.3" adj "O.sub.2" C2H3O2) "[NH.sub.4]C.sub.2H.sub.3O.sub.2" ammonium near2 acetate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 12:48

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S28	100	lubrica\$4 and (monobasic dibasic) near2 potassium near2 phosphate and ("NH.sub.4" near3 ("C.sub.2H.sub.3O.sub.2" "C.sub.2" adj "H.sub.3" adj "O.sub.2" C2H3O2) "[NH.sub.4]C.sub.2H.sub.3O.sub.2" ammonium near2 acetate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 12:50
S26	3	lubrica\$4 and (potassium adj (diphosphate dihydrogen adj phosphate monohydrogen adj phosphate) ("KH.sub.2PO.sub.4" "KH.sub.2" adj "PO.sub.4" "K.sub.2HPO.sub.4" "K.sub.2" adj "HPO.sub.4" KH2PO4 K2HPO4) (monobasic dibasic)near2 potassium near2 phosphate) and (("NH.sub.4") near3 "HPO.sub.4" "[NH.sub.4].sub.2HPO.sub.4") and ("NH.sub.4" near3 ("C.sub.2H.sub.3O.sub.2" "C.sub.2" adj "H.sub.3" adj "O.sub.2" C2H3O2) "[NH.sub.4]C.sub.2H.sub.3O.sub.2" ammonium near2 acetate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 12:53
S29	0	S28 and ("148" "508").clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 12:55
S30	3	lubrica\$4 and (potassium adj (diphosphate dihydrogen adj phosphate monohydrogen adj phosphate) ("KH.sub.2PO.sub.4" "KH.sub.2" adj "PO.sub.4" "K.sub.2HPO.sub.4" "K.sub.2" adj "HPO.sub.4" KH2PO4 K2HPO4) (monobasic dibasic) with potassium with phosphate) and (("NH.sub.4") near3 "HPO.sub.4" "[NH.sub.4].sub.2HPO.sub.4") and ("NH.sub.4" near3 ("C.sub.2H.sub.3O.sub.2" "C.sub.2" adj "H.sub.3" adj "O.sub.2" C2H3O2) "[NH.sub.4]C.sub.2H.sub.3O.sub.2" ammonium near2 acetate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 12:57
S34	5	S33 and ("148" "508").clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 12:58

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S33	189	lubrica\$4 and (potassium adj (diphosphate dihydrogen adj phosphate monohydrogen adj phosphate) ("KH.sub.2PO.sub.4" "KH.sub.2" adj "PO.sub.4" "K.sub.2HPO.sub.4" "K.sub.2" adj "HPO.sub.4" KH2PO4 K2HPO4) (monobasic dibasic) with potassium with phosphate) and ("NH.sub.4") near3 "HPO.sub.4" "[NH.sub.4].sub.2HPO.sub.4" ammonium adj (diphosphate dihydrogen adj phosphate monohydrogen adj phosphate) (monobasic dibasic) with ammonium with phosphate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 12:58
S32	1	S31 and ("148" "508").clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 12:58
S35	1	S31 and ("427" "428").clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 13:38
S36	219	lubrica\$4 same aluminum adj nitride	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 14:01
S38	13	S36 and ("148" "508").clas. and metal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 14:02
S37	13	S36 and ("148" "508").clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 14:02
S40	1	(lubricat\$3 lubricant) and (ammonium adj acetate NH4C2H3O2)	JPO	OR	ON	2007/03/22 14:12

## EAST Search History

S31	682	lubrica\$4 and (potassium adj (diphosphate dihydrogen adj phosphate monohydrogen adj phosphate) ("KH.sub.2PO.sub.4" "KH.sub.2" adj "PO.sub.4" "K.sub.2HPO.sub.4" "K.sub.2" adj "HPO.sub.4" KH2PO4 K2HPO4) (monobasic dibasic) with potassium with phosphate) and ("NH.sub.4" near3 ("C.sub.2H.sub.3O.sub.2" "C.sub.2" adj "H.sub.3" adj "O.sub.2" C2H3O2) "[NH.sub.4]C.sub.2H.sub.3O.sub.2" ammonium near2 acetate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 14:13
S41	115	("148" "508").clas. and lubrica\$4 and ("NH.sub.4" near3 ("C.sub.2H.sub.3O.sub.2" "C.sub.2" adj "H.sub.3" adj "O.sub.2" C2H3O2) "[NH.sub.4]C.sub.2H.sub.3O.sub.2" ammonium near2 acetate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 14:18
S42	3	S41 and phosphate with (monobasic dibasic hydrogen dihydrogen)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 14:19
S43	4	S41 and (phosphate with (monobasic dibasic hydrogen dihydrogen) orthophosphate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 14:20
S46	36	S41 and (phosphate with (monobasic dibasic hydrogen dihydrogen) orthophosphate phosphate (dipotassium disodium diammonium) near2 phosphate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 14:21
S45	42	S41 and (phosphate with (monobasic dibasic hydrogen dihydrogen) orthophosphate phosphate dipotassium disodium diammonium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 14:21
S47	4	wo with "9808919"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 14:46
S44	36	S41 and (phosphate with (monobasic dibasic hydrogen dihydrogen) orthophosphate phosphate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 14:46